

STANDARD INFORMATION

Standard: UL 20 / CSA C22.2 No. 111

Standard ID:

General-Use Snap Switches [UL 20:2018 Ed.14+R:31May2023]

General-Use Snap Switches [CSA C22.2#111:2018 Ed.5+U1;U2]

Previous Standard ID:

General-Use Snap Switches [UL 20:2018 Ed.14+R:26Jan2021]

General-Use Snap Switches [CSA C22.2#111:2018 Ed.5+U1]

EFFECTIVE DATE OF NEW/REVISED REQUIREMENTS

Effective Date: **May 31, 2025**

IMPACT, OVERVIEW, AND ACTION REQUIRED

Impact Statement: Per our accreditation, Intertek is required to review reports against the standard revisions to confirm compliance. Once compliance is confirmed, the standard reference in the report is updated to show continued compliance to the technical requirements of the standard. Reports not updated to this version by the effective date above will be withdrawn.

Overview of Changes:

- Field Replacement Actuator
- Revised Marking for Products with USB Type Outlets
- Spring Action Clamp Terminal
- Separable Terminal Assembly Construction

Specific details of new/revisted requirements are found in table below.

Current Listings Not Active? – Please immediately identify any current Listing Reports or products that are no longer active and should be removed from our records. We will do this at no charge as long as Intertek is notified in writing prior to the review of your reports.



STANDARD INFORMATION

CLAUSE	VERDICT	COMMENT
		<i>Additions to existing requirements are <u>underlined</u> and deletions are shown lined-out below.</i>
4	Info	Construction
4.5	Info	Current-Carrying Parts
4.5.3	Info	Terminals and Leads
		<i>New clause added;</i>
4.5.3.19A		A modular switch assembly with a special-purpose connector type may be rated either 15 or 20 A only and shall have solid or stranded 14 AWG (2.1 mm ²) copper conductors for 15 A, or 12 AWG (3.3 mm ²) for 20 A. The special-purpose connector shall be keyed to prevent interchangeability of differently rated devices.
		<i>New clause added;</i>
4.5.3.19B		A modular switch assembly with a back plate connector type shall be rated 15 A only. The back plate shall have solid or stranded 14 AWG (2.1 mm ²) copper conductors or larger or provided with field wiring terminals.
		<i>New section added;</i>
		Spring Action Clamp Terminals
4.7A		In addition to the requirements contained in this standard, a switch employing a spring action clamp terminal shall also comply with the applicable requirements.
		See standard for details.
4.9A	Info	Field Replacement Actuator
		<i>New clause added;</i>
4.9A.1		A flush switch provided with a field replacement actuator shall not permit contact to be made between the articulated probe shown in Figure 10 and any live part when the actuator is removed. Compliance is checked by inspection and if necessary, the field replacement actuator test, Clause 5.32.



CLAUSE	VERDICT	COMMENT
5	Info	Testing <i>New section added;</i> Spring Action Clamp Terminal Pull Test
5.20A		A switch employing spring action clamp terminals shall be subjected to the test conditions. See standard
5.32	Info	Field Replacement Actuator <i>New clause added;</i>
5.32.1		A flush switch provided with a field replacement actuator shall not permit contact to be made between the probe shown in Figure 10 and any live part when the actuator assembly is removed. <i>New clause added;</i>
5.32.2		A flush switch with a field replacement actuator shall be supported with the actuator removed and cover plate installed. The probe shown in Figure 10 is to be applied to any opening with a force of 8 ounces (2.2 N) in an attempt to contact live parts. A suitable indicating device (such as an ohmmeter, battery-and-buzzer combination, or similar device) is to be connected between the probe and the wiring terminals connected together. The flush switch actuating means shall be placed in any possible position to determine whether contact is made. The probe is to be manipulated in the opening areas in any orientation that may permit access to live parts within the flush switch.
7	Info	Markings
7.1	Info	General <i>New clause added;</i>
7.1.15		An individually packaged field replacement actuator as described in Clause 4.9A shall be provided with instructions for the proper removal and reattachment to the flush switch. <i>New clause added;</i>
7.1.16		An individually packaged field replacement actuator shall include "USE ONLY WITH _____ FLUSH SWITCHES" or equivalent statement where the blank includes the manufacturer's name and product series or type designation or an equivalent identifier.



CLAUSE	VERDICT	COMMENT
7.2	Info	Supplementary Markings <i>New clause added;</i> Switches employing spring-action clamp terminals shall be provided with installation instructions for assembly of conductors to the terminals. The proper insulation strip length shall be marked either on the device or identified in the individually packaged instruction. Instructions shall include a pictorial description of the placement of the stripped conductor within the channels/guides of the enclosure. The installation instructions shall be provided on the smallest unit container, or on a stuffer sheet provided with each device.
Supplement SA	Info	AC ONLY FLUSH SWITCH WITH INTEGRAL POWER SUPPLY WITH CLASS 2 OUTPUT CONNECTORS
SA12	Info	Markings The output Class 2 connectors shall be identified as being "Class 2" and marked with the output electrical rating. <u>The output electrical rating one of the following as identified in (a) through (c). The markings identified in (a) through (c) shall be permanently marked and visible after installation of the flush device cover plate or outlet box cover. The output electrical rating may be expressed in amperes and voltage, or wattage or in volt-ampere.</u> SA12.1 <u>a) "Class 2" and electrical rating,</u> <u>b) "Class 2", or</u> <u>c) Electrical rating.</u> <u>Exception: For a switch provided with either a Class 2 connector located other than on the face of a switch when installed, or a Class 2 separable conductor lead assembly, the output "Class 2" connectors shall be identified as being "Class 2". The "Class 2" designation and the output electrical rating, for a Class 2 connector located other than on the face of a switch when installed or the separable lead, need only be visible during installation.</u>